

THAT WHICH IS CLAIMED:

1. A method of providing medical data to a third party pursuant to a configurable notification process, the method comprising:

providing a configurable notification record to define at least one distribution parameter selected from the group consisting of the third party to be provided the medical data, the type of medical data to be provided to the third party, a medium over which an alert based upon the medical data is to be provided to the third party and the conditions under which the alert is to be provided to the third party;

receiving medical data from an ambulatory patient, wherein the medical data is selected from the group consisting of data relating to the physiological or biological status of the patient and data relating to an exogenous material administered to the patient; and

transmitting at least one of medical data, information relating to the medical data and an alert based upon the medical data to the third party located remotely from the patient in accordance with the distribution parameters defined by the configurable notification record.

2. A method according to Claim 1 further comprising analyzing the medical data that has been received to determine if the conditions under which the alert is to be provided are met prior to transmitting at least one of the medical data, information relating to the medical data and the alert.

3. A method according to Claim 2 further comprising:
determining a position of the ambulatory patient upon determining that the conditions are met for providing the alert; and
transmitting the position of the ambulatory patient to the third party concurrent with the transmission of the alert.

4. A method according to Claim 1 wherein transmitting at least one of the medical data, the information relating to the medical data and the alert comprises transmitting the alert via a communications technique selected from the group consisting

of an electronic mail message, a telephone call, a digitized telephone message, a pager message, a beeper message and a facsimile transmission.

5 5. A method according to Claim 1 wherein transmitting at least one of the medical data, the information related to the medical data and the alert comprises transmitting the medical data via the internet such that the medical data is capable of being viewed via a web browser accessible by the third party.

6. A method according to Claim 1 wherein providing the configurable notification record comprises permitting the notification record to be configured by a person selected from the group consisting of the patient and the third party.

10 7. A method according to Claim 1 further comprising:
receiving data input by the patient relating to a factor selected from the group consisting of diet, rest, exercise, medication, stress, illness and activity, and transmitting at least some of the data input by the patient to the third party.

15 8. A method according to Claim 7 further comprising graphically depicting both at least some of the information related to the medical data and at least some of the data input by the patient to the third party.

20 9. A method according to Claim 7 wherein transmitting at least one of the medical data, the information related to the medical data and the alert comprises transmitting the alert if the data input by the patient does not comply with a care plan established for the patient.

25 10. A method according to Claim 1 further comprising:
receiving medical data via wireless communications with a wireless communications device from a monitor borne by the ambulatory patient;
transmitting the medical data via wireless communications from the wireless communications device to a computer network for transmission to the third party, and

wherein receiving medical data from the ambulatory patient comprises receiving the medical data onto the computer network from the wireless communications device.

11. A method according to Claim 10 further comprising monitoring blood sugar of the ambulatory patient and wirelessly transmitting the blood sugar readings to the wireless communications device.

12. A method according to Claim 11 further comprising:
receiving instructions from the third party regarding administration of insulin in response to an alert; and
automatically administering insulin to the ambulatory patient in response to the instructions from the third party.

13. A method according to Claim 10 further comprising analyzing the medical data received by the wireless communications device prior to transmission of the medical data to the computer network, wherein analyzing the medical data comprises determining if the conditions under which the alert is to be provided are met.

14. A method according to Claim 13 wherein transmitting the medical data from the wireless communications device to the computer network comprises transmitting the medical data upon determining that the conditions under which the alert is to be provided are met.

15. A method according to Claim 10 wherein the wireless communications device comprises a memory device for storing the medical data, and wherein transmitting the medical data from the wireless communications device to the computer network comprises transmitting the medical data once the portion of the memory device filled with the medical data exceeds a predetermined threshold.

16. A method according to Claim 10 further comprising:
storing the medical data received from the monitor prior to transmission to the computer network;

determining that the wireless communications device is presently unable to communicate with the computer network; and

purging at least some of the medical data such that more recent medical data can be stored by the wireless communications device.

5 17. A method according to Claim 1 wherein receiving medical data from the patient comprises receiving medical data from a plurality of patients.

18. A method according to Claim 1 further comprising processing the information related to the medical data following transmission to the third party.

10 19. A method according to Claim 1 further comprising:
detecting patterns in the medical data received from the ambulatory patient; and
heuristically altering at least some of the conditions under which alerts are generated in response to the detected patterns.

15 20. A system for providing medical data to a third party in accordance with configurable distribution parameters, the system comprising:
a wireless communications device for receiving medical data from a monitor borne by an ambulatory patient and for transmitting at least some of the medical data, wherein the medical data is selected from the group consisting of data relating to the physiological or biological status of the patient and data relating to an exogenous material administered to the patient;

20 a computer network for receiving the medical data transmitted by said wireless communications device, said computer network comprising a memory device for storing a configurable notification record to define at least one distribution parameter selected from the group consisting of the third party to be provided the medical data, the
25 type of medical data to be provided to the third party, a medium over which an alert based upon the medical data is to be provided to the third party and the conditions under which the alert is to be provided to the third party, and

wherein said computer network also transmits at least one of the medical data, information related to the medical data and an alert based upon the medical data to

the third party located remotely from the patient in accordance with the distribution parameters defined by the configurable notification record.

21. A system according to Claim 20 wherein said wireless communications device analyzes the medical data that has been received from the monitor to determine if the conditions under which the alert is to be provided are met prior to transmitting the medical data to the computer network.

22. A system according to Claim 21 wherein said wireless communications device transmits the medical data to said computer network upon determining that the conditions under which the alert is to be provided are met.

23. A system according to Claim 22 wherein said wireless communications device comprises means for determining a position of the ambulatory patient.

24. A system according to Claim 23 wherein said means for determining the position of the ambulatory patient once said wireless communications device determines that the conditions are met for providing the alert, and wherein said wireless communications device transmits the position of the ambulatory patient to the computer network concurrent with the medical data.

25. A system according to Claim 20 wherein said wireless communications device comprises a memory device for storing the medical data, and wherein said wireless communications device transmits the medical data to said computer network once the portion of the memory device filled with the medical data exceeds a predetermined threshold.

26. A system according to Claim 20 wherein said computer network further comprises an internet-accessible device including a web browser accessible by the third party for permitting the third party to view the medical data.

27. A system according to Claim 20 wherein said computer network transmits the alert via a communications technique selected from the group consisting of an

electronic mail message, a telephone call, a digitized telephone message, a pager message, a beeper message and a facsimile transmission.

28. A system according to Claim 20 wherein said wireless communications device and said computer device cooperate to permit the notification record to be
5 configured by a person selected from the group consisting of the patient and the third party.

29. A system according to Claim 20 wherein said wireless communications device is adapted to receive data input by the patient relating to a factor selected from the group consisting of diet, rest, exercise, medication, stress, illness and activity, and
10 wherein said wireless communications device is adapted to transmit at least some of the data input by the patient to said computer network for transmission to the third party.

30. A system according to Claim 29 wherein said computer network is adapted to provide a graphical depiction to the third party of both at least some of the information related to the medical data and at least some of the data input by the patient.
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31. A system according to Claim 29 wherein said computer network is adapted to transmit the alert if the data input by the patient does not comply with a care plan established for the patient.

32. A system according to Claim 20 further comprising a plurality of wireless communications devices for receiving medical data from respective patients and for transmitting at least some of the medical data to said computer network.
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33. A system according to Claim 20 wherein said wireless communications device is selected from the group consisting of a cellular telephone and a personal digital
25 assistant.